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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 5: C12Q 1/68, C12P 19/34 C07H 21/04	A3		al Publication Number l Publication Date:	: WO 91/13075 5 September 1991 (05.09.91)
(21) International Application Number: PCT/ (22) International Filing Date: 15 February 199	F191/00	pean pean tent)	patent), CA, CH (E patent), DK (Europe , FI, FR (European pa	pean patent), AU, BE (Euro- European patent), DE (Euro- an patent), ES (European pa- atent), GB (European patent),
(30) Priority data: 482,005 16 February 1990 (16.0	02.90)	(Eur		T (European patent), JP, LÜ uropean patent), NO, SE (Eu-

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Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(88) Date of publication of the international search report:
17 October 1991 (17.10.91)

(54) Title: METHOD AND REAGENT FOR DETERMINING SPECIFIC NUCLEOTIDE VARIATIONS

(57) Abstract

Detection of variable nucleotide(s) is based on primer extension and incorporation of detectable nucleoside triphosphates. By selecting the detection step primers from the region immediately adjacent to the variable nucleotide, this variation can be detected after incorporation of as few as one nucleoside triphosphate. Labelled nucleoside triphosphates matching the variable nucleotide are added and the incorporation of a label into the detection step primer is measured. The selection of the detection step primer is important to the method according to this invention and is dependent on the nucleotide sequence of interest. The detection step primers are preferably selected so to span the region immediately toward the 3' end from the variable nucleotide to be detected. The method is useful in identifying specific point mutations and genetic variations.

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INTERNATIONAL SEARCH REPORT

International Application No PCT/FI 91/00046

1. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all) *					
According	to International Patent Classification (IPC) or to both National Classification and	IPC			
IPC ⁵ :	C 12 Q 1/68, C 12 P 19/34, C 07 H 21/	04			
II. FIELDS	S SEARCHED				
	Minimum Documentation Searched 7				
Classification	on System Classification Symbols				
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III. DOCU	MENTS CONSIDERED TO BE RELEVANT				
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